

# iPad User Magazine

**PLUS!**

Share media  
with the  
family



## MAKE MAGICAL MOVIES

Master iMovie on your iPad for  
easy, amazing home videos

**Issue 21**

**HOW TO** multitask like a pro; stream  
any video to Apple TV; and much more!

# Welcome

to iPad User Magazine, helping  
you to do more with your iPad

**W**e live in a wonderful age where anyone can record beautiful video wherever they are, without the need to spend thousands on professional equipment. From home camcorders to little action cameras to iPhones and, yes, iPads, it's possible to get stunning high definition footage of anything you want. That could just be of your family having a good time on holiday, or maybe you're making a fun video to post online... or maybe you're working on a masterpiece narrative movie or documentary of your very own. The great thing is that your iPad isn't just great at shooting video, but also polishing it into a proper movie. Apple's iMovie app is easy to use but incredibly powerful, letting you edit your clips, add other media, and share the result with the world. That's why we've put together the complete guide to iMovie on iPad, from first getting started with it to uploading the final version. We've also got some great iOS guides as usual, including how to use the brilliant Family Sharing option. Enjoy!

**MATT BOLTON** EDITOR



@iPadUserMag

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# Get more from your Mac

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# Share music, books and apps

Create a Family Sharing group for your purchases

## SKILL LEVEL

Anyone can do it

## IT WILL TAKE

20 minutes

## YOU'LL NEED

iOS 8 on each device;  
Apple ID for each user;  
a credit card linked to  
Organizer's Apple ID  
and iTunes account

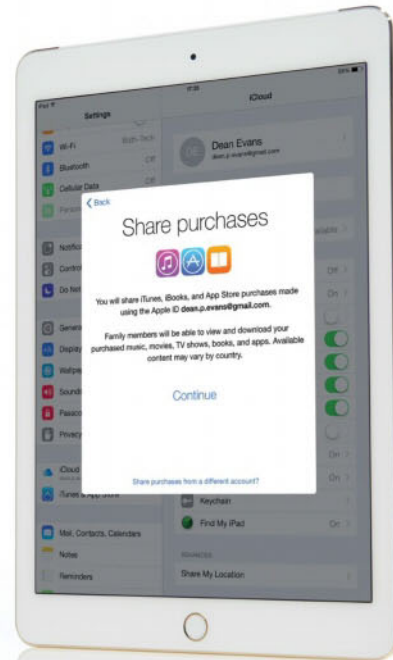


Many families have several iPhones and iPads, and it's always seemed rather unfair that each person has to buy their own copy of books, apps and games. After all, if you were using the family games console you could all take turns playing it. You can log into another person's account so you can read an ebook or play an album, but it's a rather unsatisfactory sharing option.

Thankfully, iOS 8 introduced Family Sharing, which lets up to six people share apps, games and books, plus

photos and a family calendar. It works for items you've already bought, and any group member can share content with any other person in the group. It's also a nifty alternative to having to buy iTunes gift cards, because you can link your children's accounts to yours and allow or prevent purchases.

You can't share everything. Some items are explicitly set to be non-shareable, such as movie downloads you can't download to more than one device. In practice, it's mainly apps that have this restriction on them. Most books, games and music can be shared, and there's also a new cost-saving app bundles option in the iTunes Store. There's a limit of six people per Family Sharing group and 10 devices that can share content on them at any one time.



*Family Sharing lets up to six people share apps, games and books, plus photos and a family calendar*

## HOW TO | SET UP AND MANAGE A FAMILY SHARING GROUP



Family Sharing is the easy way to share what's important with members of your family.

Get Started

You will share iTunes, iBooks, and App Store purchases made using the Apple ID

Family members will be able to view and download your purchased music, movies, TV shows, books, and apps.

Continue

Lou can join now, or you can send an invitation.

Ask Lou to Enter Password

Send an Invitation

### 1 The Organizer account

Family Sharing needs to be set up by the Organizer – essentially the account holder and the one who will be responsible for paying for apps and games. You can either set up Family Sharing when first setting up your iPhone, or do so later by going to Settings > iCloud and tapping Family. An overview screen summarises what Family Sharing enables you to do. Tap Get Started to proceed and then confirm you want to use your existing Apple ID and account.

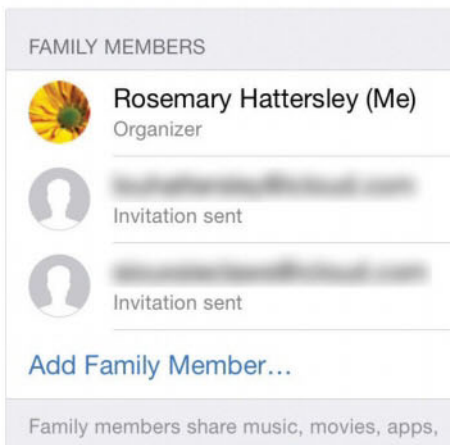
### 2 Confirm options

The Organizer manages the Family Sharing account and controls whether younger users can buy particular apps and games. Check and confirm the account's card details, then confirm that you accept responsibility for purchases made using it. You can then opt to share your location with group members using the Find My Friends app. This can be useful for keeping an eye on your kids' or their iPhones' whereabouts. Tap Not Now to skip this option.

### 3 Add members

To create your family group, tap Add Family Member and type the email address of a person you want to add. Up to six people can be members of a Family Sharing group, but you can be a member of only one group at a time. If the person joining the group is with you, tap 'Ask [name] to Enter Password' and then get them to type in their Apple ID password on your iPhone. Provided that their Apple ID and password tally they will immediately be added to the group.



**HOW TO** | SET UP AND MANAGE A FAMILY SHARING GROUP (CONTINUED)**4 Invite by email**

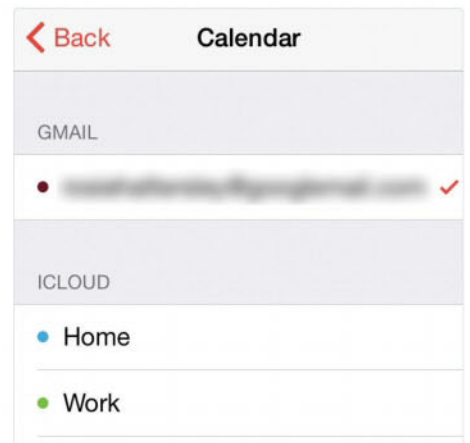
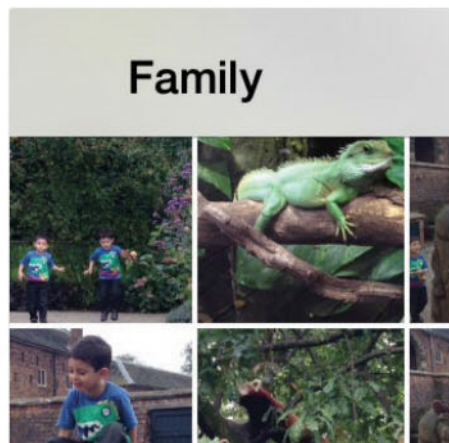
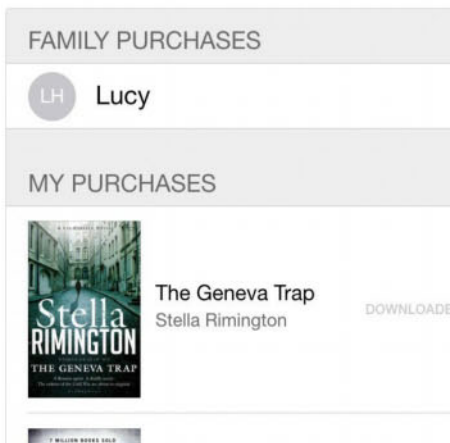
It's likely that some people you want to add to the group are not on the spot when you want to set it up, so you'll need to send their invitations by email. Type an email address on the Add Family Members screen, then tap Send Invitation. Enter your Apple ID password when prompted. You'll then be taken back to the Family Members page, where you can instantly issue further invitations by tapping Add Family Members and entering each person's email.

**5 Confirm memberships**

Invitees will get an email outlining what Family Sharing is all about, with a link to confirm they want to join your group. They can join only if they aren't part of another Family Sharing group. Once they accept your invitation, you'll get an email, and their name will also appear in the Settings > iCloud > Family list. Tap the name of any adult in the group list and then toggle Parent/Guardian on if you want them to be able to approve Ask To Buy requests from a child.

**6 Adding a child account**

Under 13s must have their own Apple ID (they can't use yours), but you need to set up the account for them using your payment details. This must be a credit card rather than a debit card (credit cards can be issued only to those over 18), so you may need to switch the card you use for your Apple account at this point. Now add their birthdate, so you can control what age-appropriate content they can see. If they try to buy something, you'll get an Ask To Buy request.

**7 Start sharing**

You can immediately share books, apps and games with group members by tapping the Purchased section of the App Store or iBooks, and then tapping a member's name to view what they've bought. It can take a couple of minutes for the content to appear in the list, though. If you spot something in another group member's library that you want to use, just tap it to download it to your own iPad. You'll see a message on any items that can't be shared.

**8 Share photos**

You can share photos with your group by turning on iCloud Photo Sharing in Settings > iCloud > Photos. Now go to the Photos app, tap Shared > Family and then the '+'. Tap to select any photos from your iPhone's gallery that you want to include, then tap Done. Add a caption if you wish, then tap Post. If you previously used Photo Stream to share albums, you'll see these appear alongside the Family and other shared photo albums within iCloud Photo Sharing.

**9 Set up family events**

Family Sharing is also very useful for reminding family members about get-togethers and other events. This works only if you sync the Calendars app under Settings > iCloud > Calendars. If you don't have this option switched on, you must send an email invitation to attendees from within the Calendar app. With it active in iCloud, you just tap Calendar and tick the appropriate family members' names to share the event with them to appear in their calendars.

# Multitasking on your iPad

Master the iPad's Home button and enjoy swapping between apps

## SKILL LEVEL

Anyone can do it

## IT WILL TAKE

5 minutes

## YOU'LL NEED

iPad, iOS 8



The Home button – that's the one on the front of your iPad below the screen – is what makes Apple's iOS devices so wonderfully simple to use.

Whatever app you're using, a single press on the Home button will return you to your Home screen and your familiar app icons. If the app in question was stored in a folder, another click of the Home button will close the folder and take you back to the overall Home screen. If you have multiple Home screens full of apps and you're viewing any later one, pressing the Home button will take you back to your first Home screen. And if your iPad is asleep, a click of the Home button wakes it up.

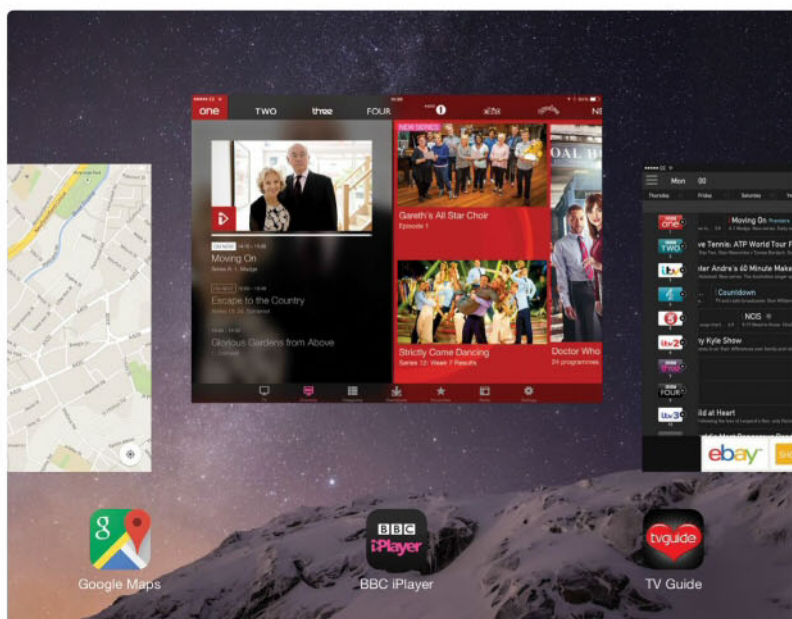
But that's not all it does. You press the Home button to exit special modes such as the 'jiggle' mode that enables you to rearrange the apps on your Home screen. Press and hold the Home button for a couple of seconds to activate Siri, your voice-controlled personal assistant.

Even more usefully, you can press the Home button twice in quick succession to go to the 'multitasking' view, the main use of which is to quickly switch between the apps you're using (or have recently used), without needing to go back to the Home screen and hunt down the icon you're after. In iOS 8 the multitasking view also provides shortcuts to recent contacts. If you've never used it before, now is the time to try it out – you'll wonder how you ever managed without it!

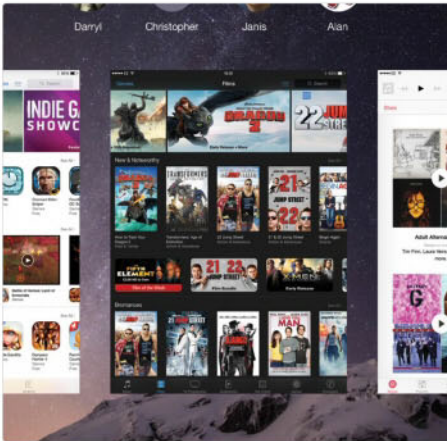


## Quitting apps

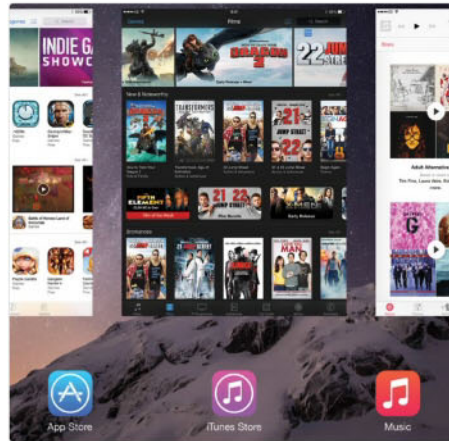
It's a common misconception that the apps you see in multitasking view are all currently running, and therefore slowing your iPad and draining its battery. In fact, what you see are simply your recently-used apps, and they have no impact on your iPad's performance. In iOS, when you switch from one app and open another, there's no need to quit the first – if it needs to carry on working in the background (playing music, for example) then it just gets on with it; otherwise, it's seamlessly put on hold until you want to return to it.



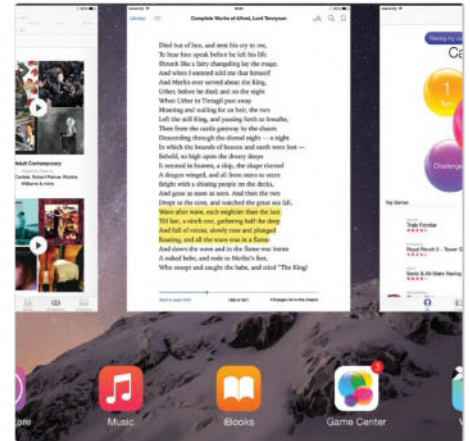


**HOW TO** | MASTER MULTITASKING IN iOS 8**1 Double-click**

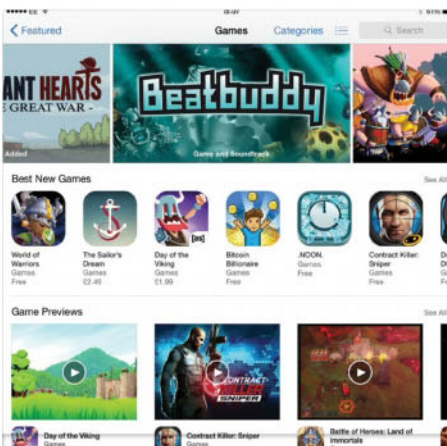
To get started with the app switcher, make sure that your iPad is awake (that is to say, the screen is on and you're not being asked to enter your passcode – this won't work if it's locked). Now, whichever app you're in, double-click the Home button. You'll see the app you were using shrink down and move to the left slightly, floating over your Home screen's background wallpaper. The screen you can now see is what we'll call the 'app switcher'.

**2 Previous app**

In the middle of the screen, you'll see the previous app you were using, with a scaled down view of the contents of its last screen. Below it, you'll see its app icon, the same as the one you see on your Home screen. You can tap on the icon or the app's screen preview to switch to this app. Flipping between recently-used apps in this way is generally quicker than going back to your Home screen and having to hunt down the other app's icon.

**3 More apps**

Double-click the Home button to bring up the app switcher once more. Have a look on the far right-hand side, and you'll see that another app is partially visible. Place your finger on this and drag towards the left. As you do, you'll see more thumbnails of apps coming into view, in the order in which you used them – the most recent ones first. Fast swipes across the screen will move through the apps more quickly. Tap any app to resume using it.

**4 Going back**

If you've opened the app switcher by mistake, the easiest way to get back to the app you were using is to press the Home button once. You can also launch your iPad's voice-controlled personal assistant Siri when you have the app switcher open – hold down the Home button to do this. Note that the four-finger pinch gesture, which normally brings up your iPad's Home screen, will take you back from the app switcher to the app you were using last.

**5 Printing and Handoff**

In the app switcher, you'll always find your Home screen at the far left-hand end (though getting to it in this way is probably less efficient than simply pressing the Home button once when you're using any of your apps). One exception to this is if you're printing something: instead of your Home screen, the leftmost item will be Print Centre, which enables you to check how the print job is going or cancel it. The other exception is Handoff.

**6 Troublesome apps**

If one of your apps is being troublesome in some way or has got stuck, you can use the app switcher to force it to close. Double-click the Home button, then swipe through the app screens until the troublesome app comes into view. Now simply flick the problem app's thumbnail image upwards, towards the top of your iPad's screen, and let go – you'll see it (and its icon) disappear from view. Note that any unsaved work in that app may be lost.

# Get started in iMovie for iPad

Learn how to start a new project in Apple's movie making iPad app

## SKILL LEVEL

Anyone can do it

## IT WILL TAKE

25 minutes

## YOU'LL NEED

iPad, iMovie



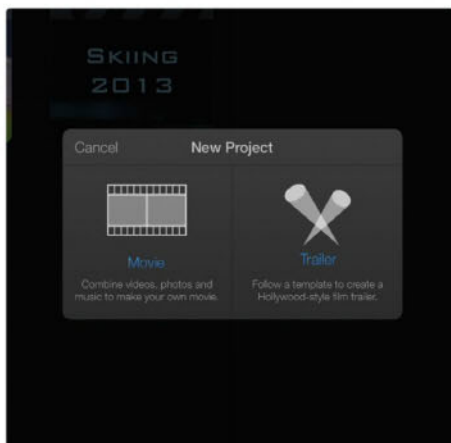
Using iMovie makes it easy to not only shoot video on your iOS devices, but also turn that footage into a finely crafted film at the end. It's astonishing to think that something as complex as video editing can be made so simple on an iPhone or iPad, but the strength of the iPad has always been that it lets developers create new ways to design apps.

Like any feature-filled app, though, there's still a lot to learn, so we'll take you through the process of creating a new iMovie project, putting together a rough cut, working with transitions and themes, adding photos and music, fine-tuning your edit and exporting it to share with the world. We'll show you how to add video to your project and start using the timeline. Naturally, we'll be using the iPad version of iMovie, but the principles are same on the iPhone, if you have one.



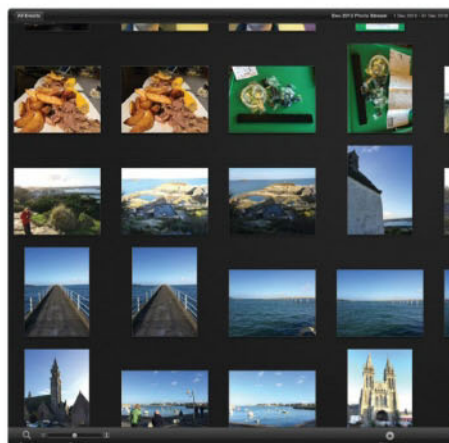
Become a movie-making maestro in minutes with iMovie's simple but effective toolset.

## HOW TO | START CREATING YOUR MOVIE



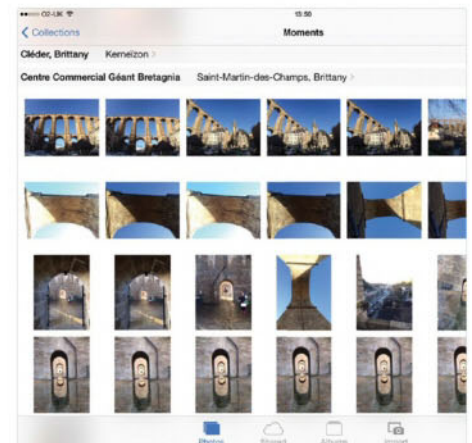
### 1 Create a new project

The first time you open iMovie everything is a bit stark. When you have projects saved, they'll appear here so you can choose which ones to re-open, but for your first time, the screen will be blank. There are three tabs at the top: the Video tab displays videos stored on your device (which you can 'Favourite'), the Projects tab is where your projects are saved, and the Theater tab lets you watch movies saved from iMovie on other devices.



### 2 Add media

You'll be able to access video footage stored in your device's Camera Roll, but you might also want to import footage taken elsewhere. To add video from your computer, make sure that it's in an iPad-compatible format, then put it into Photos on your Mac. If you do a cabled sync between your iPad and Mac, you can then transfer this over using iTunes. If not, and you have iCloud Photo Library turned on, they'll sync wirelessly.



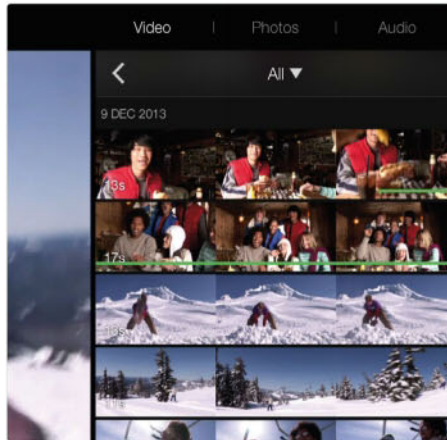
### 3 Camera Connection Kit

You can transfer straight from a memory card or USB stick to your iOS device using Apple's Camera Connection Kit, meaning that you could record on a dedicated video camera and then use it in iMovie – provided your camera's video format is supported. If it is, connect the Camera Connection Kit to your device, and the Photos app will load up. Choose what you want or select Import All to add them to your iPad.

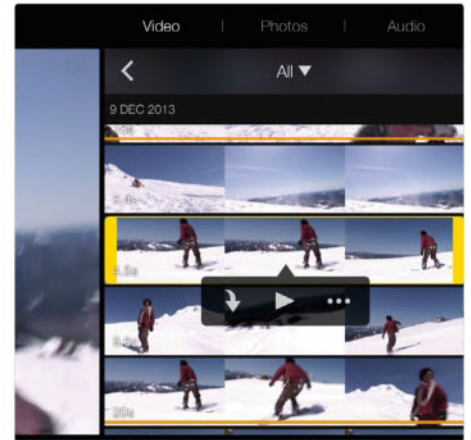


**HOW TO** | START CREATING YOUR MOVIE (CONTINUED)**4** Film something new

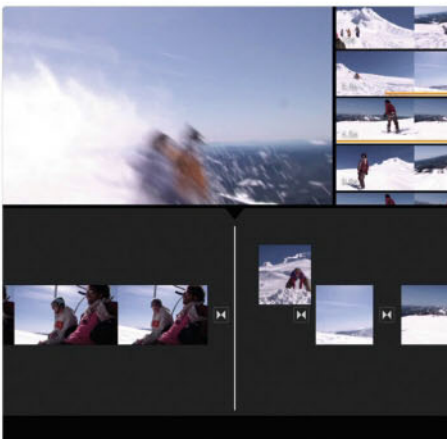
If you want to film something new directly on your device while you've already got iMovie running, you don't need to exit the app. In your project screen, just tap the little camera symbol at the bottom to launch the video camera. You can change the kind of video you're recording by tapping the text just under the record button – changing from normal speed to slow-motion. You can also take stills, by tapping Photo near the bottom-right.

**5** Choose a clip to add

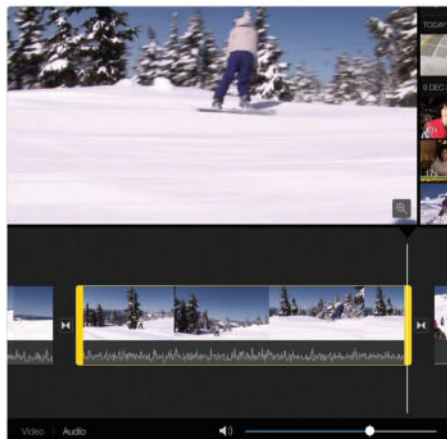
Once all your footage is all lined up and ready to go in the Camera Roll, you'll see it in the media browser in the top right. Tap and hold on any of these clips to bring up a white playhead, which you can drag through the clip to preview it, so you can make sure you're choosing the right footage. Tap the arrow at the top to see more viewing options for videos, including Favourites and videos which you haven't yet used.

**6** Add footage to timeline

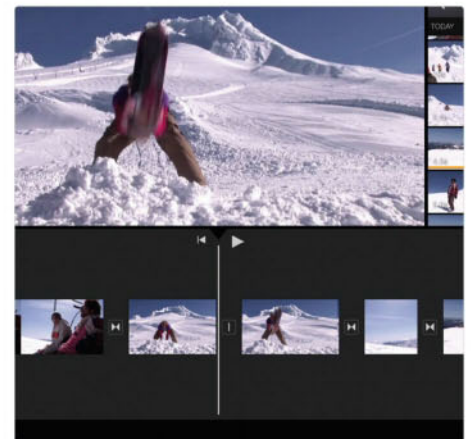
Tap on a video in the media browser to highlight it in yellow. You'll see thicker lines at each end, and a pop-up menu in the middle. Drag the ends of the clip to highlight the part you want to add to the timeline. Tapping the down-facing arrow will add it below; the play button plays the selection; or tap the three dots for extra actions, including adding only a clip's audio to the timeline, or adding the footage as a split screen or picture-in-picture image.

**7** Moving clips around

After you've added a few clips, you might decide to rearrange the order they're in. To rearrange, first pinch on the timeline to zoom out from the clips you want to move, so you can easily drag one to where you want it. Tap and hold on the one you want to move, which will 'lift' it out of the timeline, then drag it where you want it to go. Take your finger off the screen to release it, and it'll drop between the two nearest clips, keeping any transitions intact.

**8** Trimming and deleting

If you've brought too much video down to the timeline in one of your clips, not to worry: you can easily trim them. Tap the clip once to bring up a yellow outline. Drag one of the thick left or right edges inwards to trim, then just release when you're done. Handily, you can also drag the handles outwards to extend a clip, in case you trim too far. To delete a clip completely, tap it to highlight it, then tap the rubbish bin icon in the bottom corner.

**9** Splitting a clip

Once a clip is on the timeline, you might decide it would be better as two parts – either so you can put the two in separate places, or so you can apply an effect to only one part of it. To split a clip, drag the timeline so that the exact moment you want to split at is on the white playhead (the frame will be in the preview window above). Tap the clip to highlight it in yellow, then drag your finger down along the playhead and you'll see the clip split.

# Themes, titles and transitions

Spruce up your videos with iMovie's built-in titles and transitions

## SKILL LEVEL

Anyone can do it

## IT WILL TAKE

25 minutes

## YOU'LL NEED

iPad, iMovie



Once you've started putting together your video in iMovie, you might want to add a few graphical bells and whistles. Titles let you add some context to your footage,

so you can name the people in your movie, or just give some extra information in documentary style.

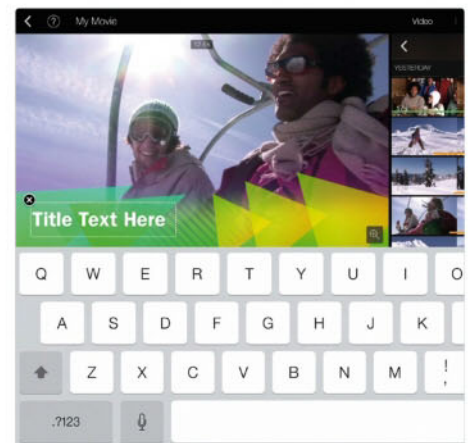
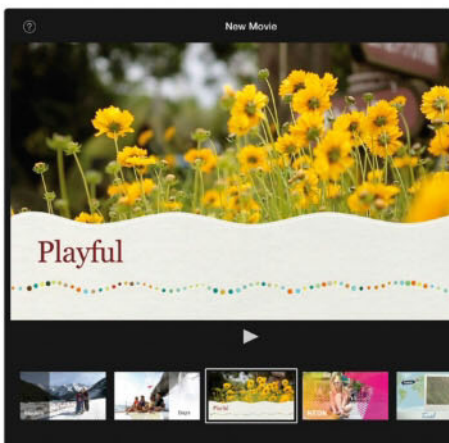
Meanwhile, transitions are added automatically between each of your clips. By default, the transition just crossfades from one video to the next, but there are other options to choose from, or you can remove them if you just want a normal cut between scenes.

Adjusting titles and transitions is done using iMovie's Themes, which give you a consistent look. It's all really easy to use, and they'll give your video a smart style. Here, we'll show you how to switch themes to change the style of your video.

Use iMovie's titles and fun transitions to give your videos a more energetic, personal look.



## HOW TO | MAKE YOUR VIDEO LOOK PROFESSIONAL



### 1 Understanding themes

It's not until you start adding titles and transitions that the themes in iMovie come into play. Each theme has a different style for titles, which means that things like the size, font, colour and background of the text changes. Similarly, each theme has a transition that's unique to it, and matches its style. The idea is that you can choose a theme and the text and transition styles will combine to look professional without any effort on your part.

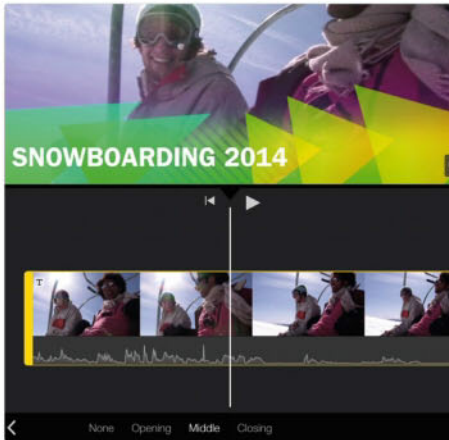
### 2 Applying a new theme

You choose a theme when you start a new movie project, but you can also change it at any time. When in your project, tap the cog in the bottom right to bring up the Project Settings pop-up. There's a menu here of all the different themes, with an image of it as a visual preview. Tap on one to select it, and the new theme will be applied to the whole project, automatically updating any titles or transitions you've already added.

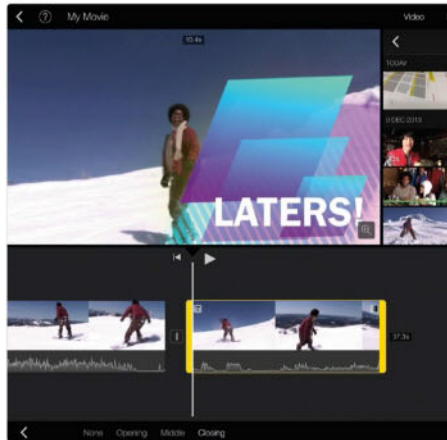
### 3 Adding titles

To add titles to a clip, find the clip then tap to highlight it in yellow. Tap Title at the bottom of the screen, then choose whether you want Opening, Middle or Closing titles. Each of these has a different style, appearing in a different part of the screen, or appearing larger or smaller. When you select one, you'll see it appear on your clip, with the words 'Title text here' – just tap on these words to bring up the keyboard to type your own.

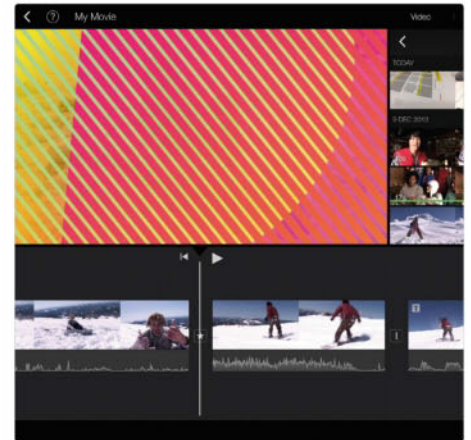


**HOW TO** | MAKE YOUR VIDEO LOOK PROFESSIONAL (CONTINUED)**4 Tweaking titles**

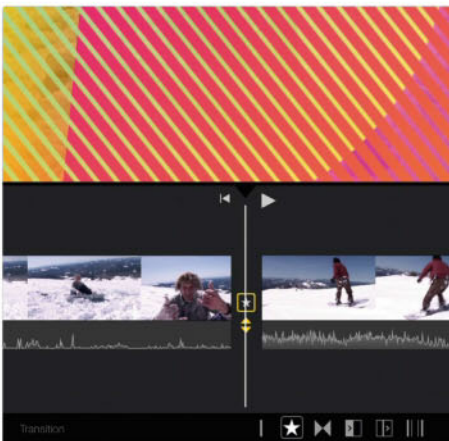
You can change the text of a title at any time by moving the clip with the title beneath the white playhead, so it appears in the playback window in the top left, and then tapping the text. To remove a title completely, tap the clip to select it, tap Title at the bottom of the screen, then tap None. If you just want to use a different text style, you can do that here, too – the one you’re currently using is highlighted, so just choose another.

**5 Change title length**

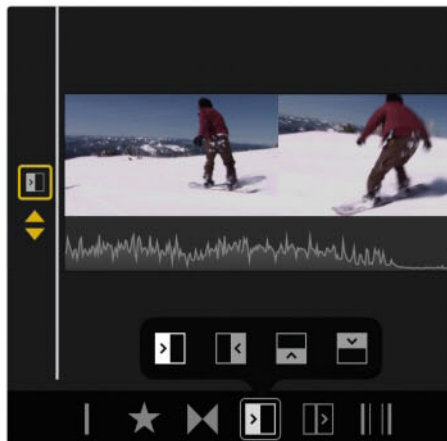
When you apply titles to a movie, they cover the entire length of the clip they’re added to, with a little animation as they appear and disappear. You can’t adjust this in any way, but you can get around it by splitting the clip instead. Determine the point at which you want the titles to end, then move the clip so that moment is at the white playhead. Drag through the clip to split it, then just apply the text to the shortened part.

**6 Using transitions**

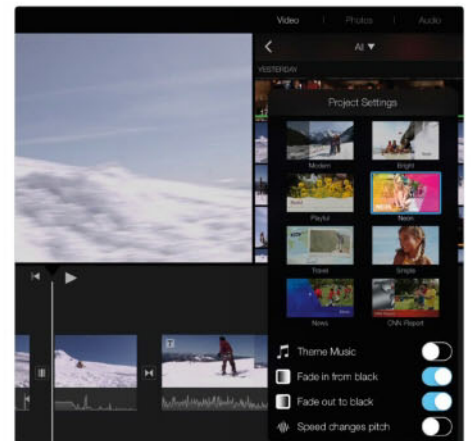
Transitions are animations that segue from one clip to another, and they make a big difference to your project. Ideally you should use them sparingly, only using a dramatic one to go from one big scene to another, and just using a simple cut within the same scene. Each theme in iMovie has its own transition, but it also has others than can be used with any theme, including the standard cross-dissolves, wipes and fades you’ll be familiar with.

**7 Changing transitions**

By default, iMovie includes a cross-dissolve between two clips in the timeline. The exception is when you split a clip, which will leave a clean cut, so the clip still appears as one. To switch to another transition, tap the symbol for the transition (the little square between two clips), which will display icons for the various transitions at the bottom. Tap on one to select it, then play back the video to see how your new transition looks.

**8 Tweaking a transition**

All of iMovie’s animated transitions can be customised to some degree – some more than others. When you tap the symbol for the transition you’ve chosen at the bottom of the screen, some of them display a pop-up with more options, including changing the direction of wipe or slide transitions, or choosing a different colour for fades. To the right of these symbols is the length of time the transition will take – tap it to choose a new length.

**9 Fading in and out**

If you find that your project starts and finishes a little abruptly for your taste, that’s no problem – you can easily add a fade-in at the very beginning, and fade-out at the very end. You can apply these from the Project Settings pop-up (the cog icon): switch on ‘Fade in from black’ and ‘Fade out from black’ to apply the effect to the start or end of your movie respectively – you can choose to do it for just one of them, if you prefer.

# Add other media to a movie

Bring in music, sound effects, freeze frames and more

## SKILL LEVEL

Anyone can do it

## IT WILL TAKE

25 minutes

## YOU'LL NEED

iPad, iMovie



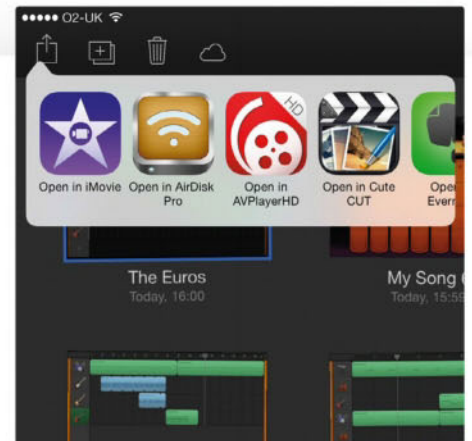
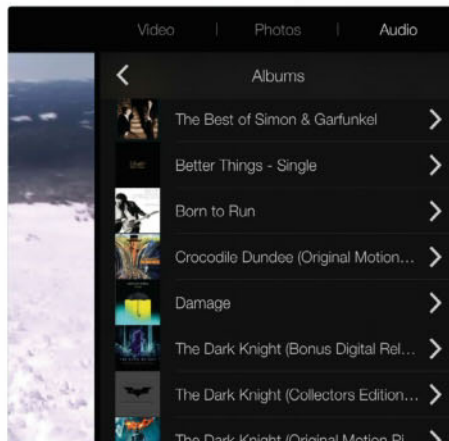
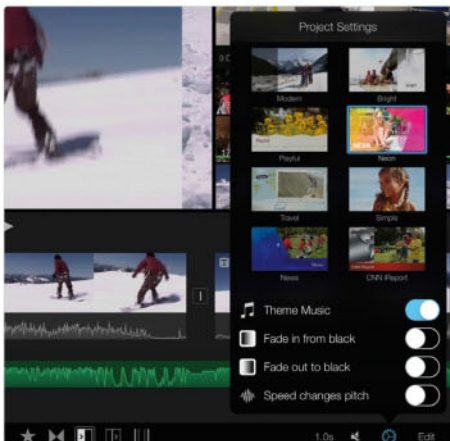
When you're making a movie masterpiece, the video clips are only part of the whole. Adding music, sound effects and other images can really help to convey a sense of mood or location in video. This could mean adding some local music and landscape photos to a holiday video, or adding comedy sounds effects to a home video of the kids playing in the garden. You can even add your own sound effects for extra realism, if you were working on a narrative film, for example.

Good audio is almost subliminal, so marrying up just the right music with a particular scene, or adding in a subtle sound effect (even something like the sound of the wind blowing) can make all the difference in the world. There are loads of great ways to jazz up your videos with a bit of extra media, so follow our steps and get experimenting.



Music and sound effects can make a big difference to the feel of your film, and are easy to add.

## HOW TO | ADD EXTRA MEDIA



### 1 Add Theme music

iMovie's themes offer a piece of background music that matches the style of the titles and transitions. To use it, simply turn it on by tapping the Project Settings (cog icon) and changing Theme Music to On. The Theme's music will now play in a loop in the background. The downside is that you have no control over whether the music really fits with what's happening in your video, but it's useful and quick to activate.

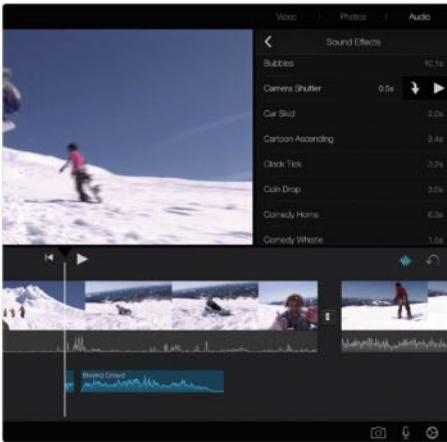
### 2 Add your own music

To add something more tailored, you can add music from your device's music library. In the browser on the top right, tap the Audio tab at the top. You can browse by Album, Artist, Songs or Playlist. Once you've found a song, tap it bring up some options. To play it, tap the play symbol on the far right; to add it to your movies, tap the downwards-pointing arrow. If your film is longer than the song, it will loop. You can trim the song to a specific portion on the timeline.

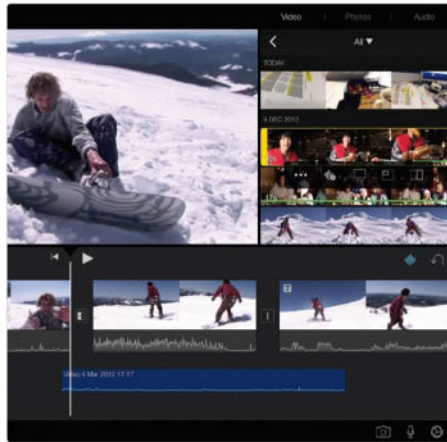
### 3 Create your own music

You can use Apple's GarageBand app to make your own movie soundtrack. Use the app to compose your song, either by playing the instruments yourself or using its Smart Instruments and loops. Once your song is complete, you can use the 'Open In' command in GarageBand's Share options to send it to iMovie and add it straight into the project. If your song is less than a minute long, it'll be treated as a sound effect rather than a full song.

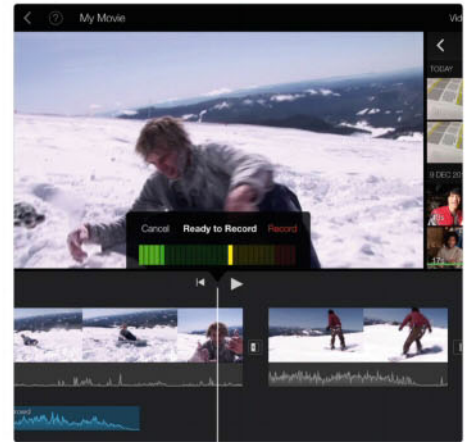


**HOW TO** | ADD EXTRA MEDIA (CONTINUED)**4 Add sound effects**

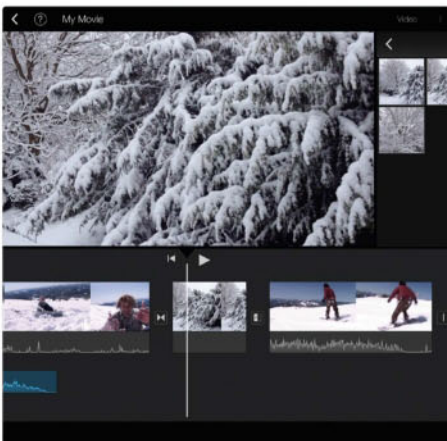
In the media browser, tap Audio, then Sound Effects. Tap one to get the options to preview it, or add it to your timeline at the playhead position. You can move sound effects wherever you want, and you can have up to three overlapping each other. Once a sound effect is on the timeline, you can tap it to bring up the trimming handles and cut it to length, so you could have just four seconds of footsteps instead of the default 12 seconds, for example.

**5 Audio from another clip**

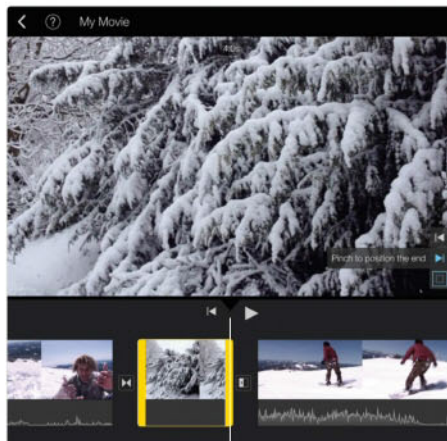
If you have a video clip that has some speech or other sounds in it that you want to include in your project, but without including the actual video footage, you can easily add it to your timeline. Choose the portion of the clip you want in the video browser using the yellow handles, tap the three dots, then tap the spiky waveform symbol with the plus sign. This will add only the audio to the timeline starting at the white playhead.

**6 Record a voiceover**

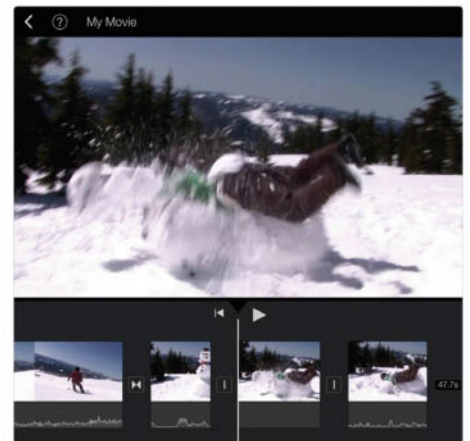
If you want to record your own voiceover for your project once you start editing, you can do it straight from iMovie. Tap the microphone button in the bottom right of the screen to bring up an audio level meter, then tap Record and start speaking. You can listen back to your recording and immediately retry it, or add it to the project at the playhead if you're happy. You can then move it around the timeline, and trim it in case you want to shorten it.

**7 Add still photos**

You can build up a video slideshow or just add photos to your movies as a special effect by tapping the Photos button in the media browser in the top right. Select which album you want (or just see All) and just tap on an image to add it in the nearest gap to the playhead, just as with video. It also behaves like video on the timeline; you can change the transitions to and from it, trim or extend its length, add titles and so on.

**8 The Ken Burns effect**

Still photos have a zoomed motion effect applied, known as the Ken Burns effect. This can be customised: tap the clip in the timeline to bring up controls in the viewer window. Tap the 'start' arrow near the right of the window, then pinch and move the image to how you want it to look at the start, then tap the 'end' arrow and do the same for it. The photo will now animate from one to the other over its duration.

**9 Add a freeze frame**

Freeze frames can be fun for dramatic effect in action videos, or useful for placing titles over, and they're easy to create in iMovie. Place the clip you want to freeze on the timeline, and move it so that the white playhead is positioned at the point you want to freeze. Now swipe your finger upwards through the playhead. You'll see that a new clip is inserted in the middle of your video clip, which is your still image. You can tweak, trim and expand it as needed.

# Fine-tune your film

Add the advanced tweaks that will make your movie shine

## SKILL LEVEL

Anyone can do it

## IT WILL TAKE

25 minutes

## YOU'LL NEED

iPad, iMovie



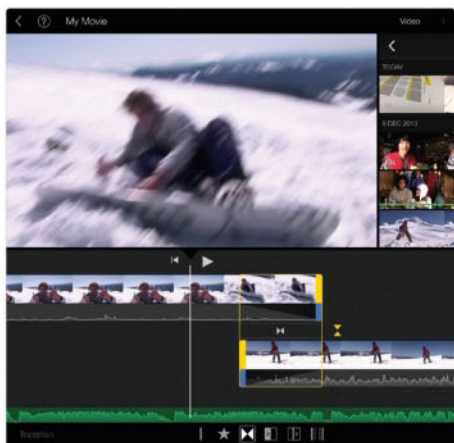
Any experienced video editor will tell you that getting your clips in the right order is just the start. Polishing and perfecting your movie is where the time really gets spent, but it's also where you'll turn a video from a quick and easy home movie into a memento that will last for years, or even into a narrative masterpiece. We'll show you how to perfect each cut so that your scenes flow together perfectly, tweak the sound levels in your clips so you can hear everything clearly, add some multi-picture video and more – you'll have a great range of tools at your disposal.

By the way, once you start polishing up your editing and so on, don't be surprised to find that getting professional results is harder than you might have thought. As with anything, it takes practice, but keep at it and soon enough your films will get better.



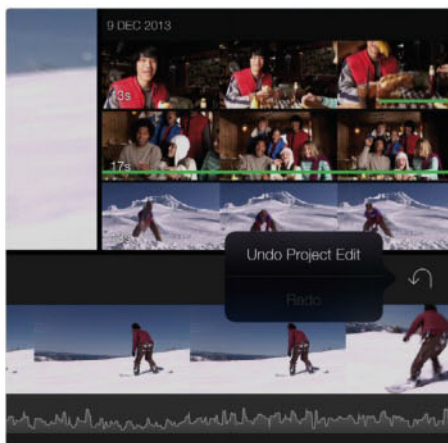
The Precision Editor tool lets you tweak your movie's cuts with much more subtlety.

## HOW TO | POLISH YOUR MOVIE



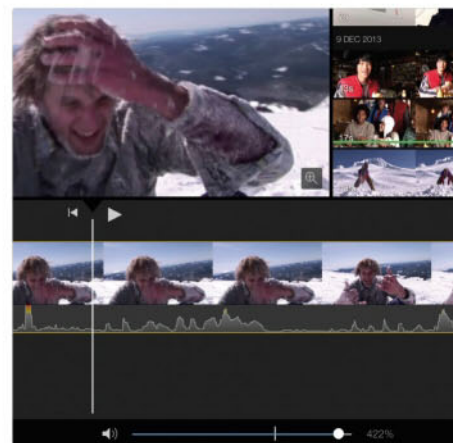
### 1 The Precision Editor

iMovie makes it possible to fine-tune cuts between clips. Tap the square between two clips to bring up two orange arrows. Tap them to open the Precision Editor. Move the cutting point forward or back in both videos with the handles (depending on the transition type) to move where one clip ends and one begins. If you want to, you can actually edit the audio separately by using the blue handles instead of the yellow ones.



### 2 Undo and Redo

When you're making fine tweaks, or even experimenting with new approaches, the Undo button becomes your best friend. The Undo button in iMovie is the curved arrow icon in the top right corner of the timeline, just under the media browser. Tap on it to undo your last action, or keep tapping to undo more than one. If you go too far and want to redo something, tap and hold on this button to bring up the option to redo your action.



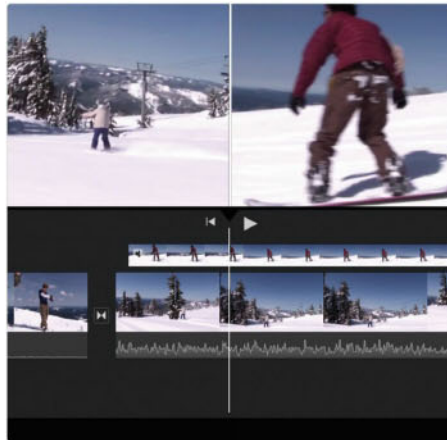
### 3 Adjusting audio volume

You can edit the volume of each bit of audio separately. Tap on a video clip, then tap Audio in the bottom left of the screen to bring up an audio slider, which you can then adjust (or tap the speaker symbol to mute it). If you tap an audio clip, you'll get this control straight away. If you have audio waveforms turned on (the pointy symbol next to the Undo button), you'll see these adjust as you move the slider – mostly, you'll want everything about the same volume.



**HOW TO** | POLISH YOUR MOVIE (CONTINUED)**4 Detach a clip's audio**

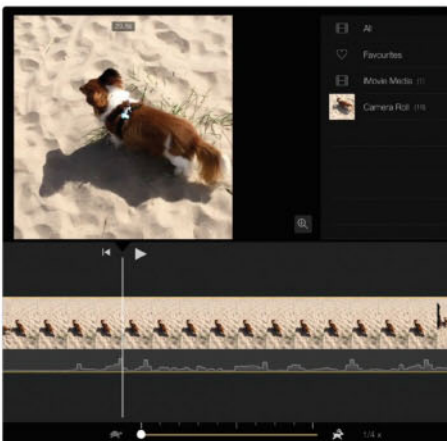
When a clip's on the timeline, by default video and audio are treated as one unit – move or trim the clip, and both are affected. But you can actually detach audio from a clip, so it can be manipulated separately. Tap the clip to select it, tap Audio in the bottom left of the screen, then tap Detach at the bottom right of the screen. You can now do things like split the audio, trim it and duplicate it without affecting the video porting of the clip.

**5 Use split-screen**

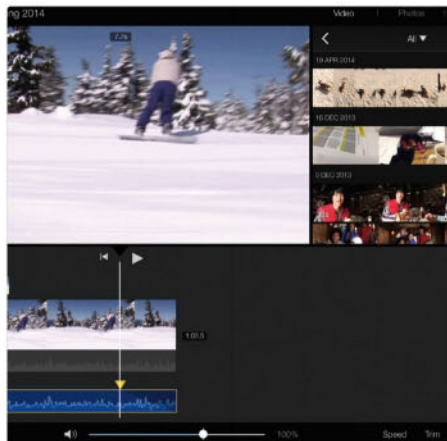
iMovie enables you to have two videos playing side by side in your project. To do this, add the first clip to your timeline. Then select the next video clip from the media browser, tap the three dots and tap the symbol on the far right. This will add the second clip to the timeline, with one video in each half of the viewer. Pinch and drag the videos in the viewer to move them around, and double-tap to change the orientation.

**6 Picture-in-picture video**

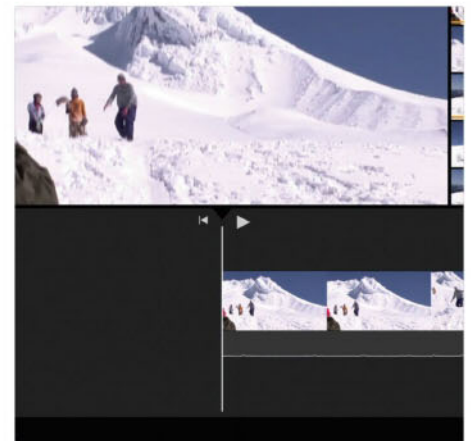
As well as split-screen video, you can also create a picture-in-picture effect, where one clip appear smaller and is overlaid on top of another. Add the main clip to your timeline first, then choose the one you want to be overlaid, tap the three dots, then tap the symbol of one rectangle inside another. You'll see the results in the media viewer – again, pinch and drag to move the second video around and to change its size.

**7 Change a clip's speed**

If you have high-speed video recorded (either 60fps footage from a newer iPad or 120/240fps footage from an iPhone), you can slow it down at will within iMovie. Select the video clip and tap 'Speed' at the bottom of the screen. the slider here lets you choose the speed – you can slow it down, but you can also speed up any footage to make it fast-motion. The clip's length will change on the timeline as you tweak the speed.

**8 Customise audio fades**

You can fade any audio clip in or out using iMovie's Fade tool. Select the audio clip (if you want to fade audio that's attached to a video clip, you'll have to detach it first), then select Fade at the bottom of the screen. You'll get yellow triangles at the start and end of the audio clip – drag these from the ends of the clip to the point you want the audio to be full volume, then press trim. The audio will then fade between that point and the clip's end.

**9 Previewing your video**

When you want to watch your video, you can tap the Play button below the preview window to immediately play your video from wherever the playhead is, so it's easy to go over a changed cut quickly. You can use the back arrow next to it to quickly skip to the start of the previous clip in the timeline. It's also a good idea to go back to the start and watch it all through from time to time, even when it's not yet finished, just to get a feel for how it's going.

# Export and share your movie

Get your videos out into the world for everyone to enjoy!

## SKILL LEVEL

Anyone can do it

## IT WILL TAKE

25 minutes

## YOU'LL NEED

iPad, iMovie



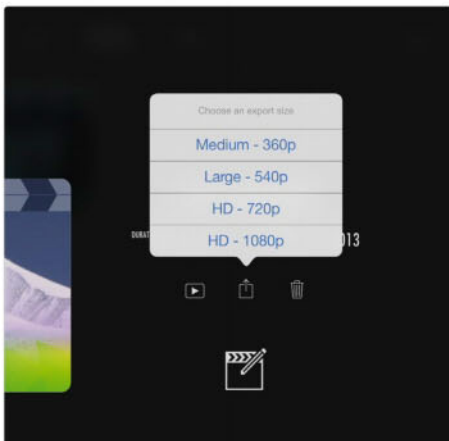
After you've finally finished editing, and polished your movie into a blockbuster hit (or just a fun memory for your friends or family), it's no good if it just stays on your iPad – you've got to get it out to people online, or at least just onto a big screen. iMovie has a range of export options, letting you save out a final movie at a range of sizes up to 1080p, as well as enabling you to upload movies directly to certain online video services. This selection contains the most popular options (including Facebook and YouTube), but if you want to upload to a video service not natively supported, you can always save the video to your Photos app, then open it in the app for the particular service you want to use.

There are options for sharing privately with friends of course, if you want to give them a sneak peek at your masterpiece!



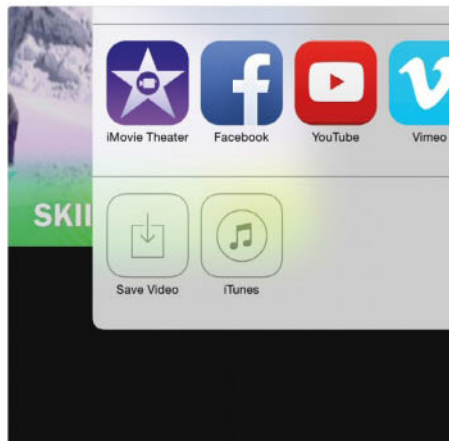
You can export and share your movie by selecting it in the main menu and tapping the Share icon.

## HOW TO | USE iMOVIE'S SHARING OPTIONS



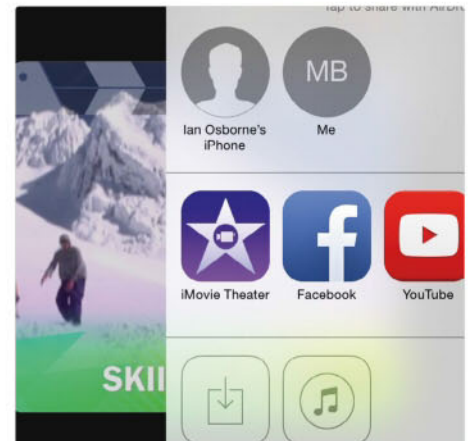
### 1 Save to Camera Roll

If you want to save your finished movie cut to the Photos app on your device (meaning it's much easier to show off or share with services not yet supported by iMovie), choose the Share option, then Save Video. You'll be given a choice of video sizes up to 1080p (depending on what size the video you've used to make the movie is). Smaller sizes will take up less space and export faster, but the quality will be lower. Just choose one to start exporting.



### 2 Export to iTunes

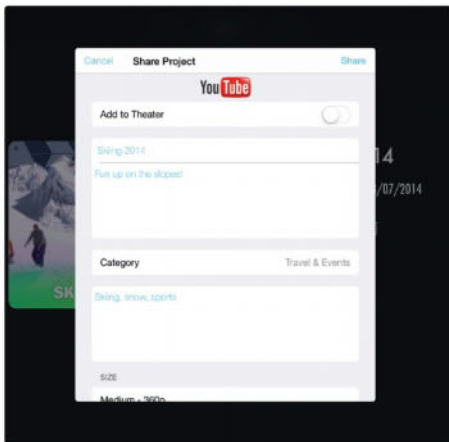
The 'iTunes' option in the Share menu for a project enables you to export your actual project file to iTunes' File Sharing screen – that is, you can copy off the actual iMovie save file, rather than just your finished movie cut. In the future, you'll be able to then transfer your project to iMovie on a Mac to continue editing with extra features (though this isn't possible at the time of writing). For now, it's a good way of backing up an important project.



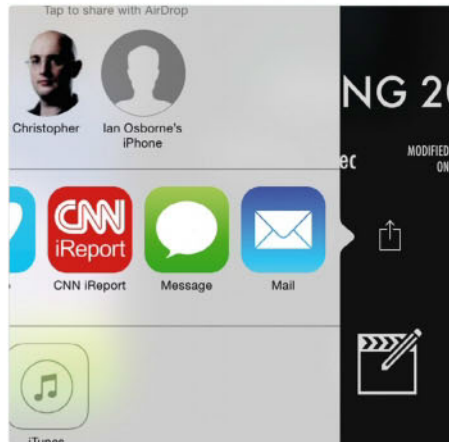
### 3 Send to iMovie Theater

iMovie Theater gives you a way to easily watch movies you've created on any device. If you share to iMovie Theater from your iPad, that movie will then be available in the iMovie Theater tab in iMovie on an iPhone, or on a Mac (and any movies from those other devices will go the other way). The movie is synced between devices using iCloud, which means it shares seamlessly and without effort, and isn't available to anyone else you don't want to share it with.

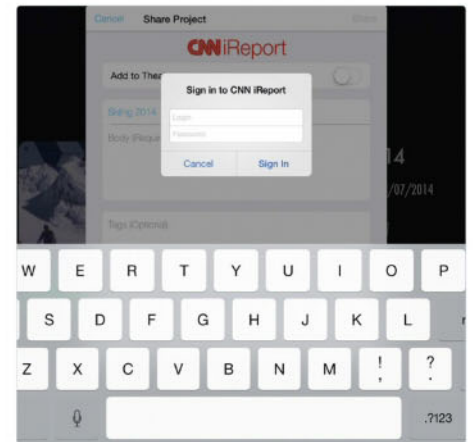


**HOW TO** | USE iMOVIE'S SHARING OPTIONS (CONTINUED)**4 Upload to video sites**

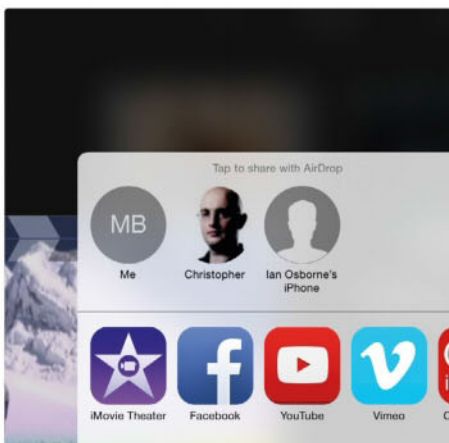
There are three key video uploading services available in iMovie: Facebook, YouTube and Vimeo. Facebook and Vimeo account support is built into iOS, so if you choose one of these, you just need to put in some information about your movie before uploading. For YouTube, you'll need to log into your account before putting the extra information in. You don't get the full range of options for these services, but you can tinker after sharing.

**5 Share with friends**

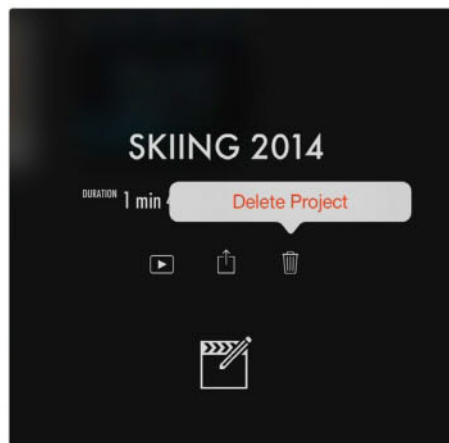
If you just want to send the video directly to someone, there are options for attaching your video either through the Messages or Email apps. If it's a big video, you might have issues with size limits – you're much better off sharing to a video site and just sending a link – but for small videos, these are ideal. Of course, Messages and Email both let you send it to several people at once, so you can quickly get their responses.

**6 Send to CNN iReport**

News channel/website CNN has a kind of crowdsourcing system named iReport, where you upload your own news stories or reports to its site, and the very best might be picked out to sit alongside the professionally created news reports on CNN. iMovie has a dedicated iReport theme, with suitably news-like graphics, and using this option in the Share menu, you can upload your videos directly to iReport, if you're hoping to get into the news game.

**7 Using AirDrop**

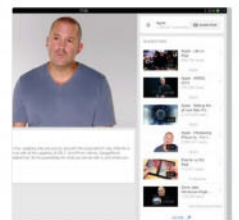
AirDrop lets you send even huge files from an iOS to another iOS device (if it supports it) directly and quickly, using Wi-Fi even if you're not connected to a Wi-Fi network. To export a movie and share it through AirDrop, make sure AirDrop is turned on in Control Center, then tap the Share icon for your movie and look at the top of the popup – any other AirDrop users nearby should appear here, and you can just tap them to send the video to them.

**8 Delete your project**

Of course, the time will come when, having completed your project and shared it with the world, you want to delete it from your device. Generally, iMovie projects don't take up a lot of space, but you might want to delete it for easier organisation or any other reason. Just tap the Trash icon next to the Share icon to delete it. You might want to consider backing it up to your computer using the iTunes export first, though – just in case!

**Video services**

When you share your video online, you might just want to upload it everywhere, but it's worth knowing the



difference between iMovie's supported services. Facebook is great for sharing with your friends, who can all chat about it and Like it – ideal for something just about the few people you'll share it with. YouTube is great for something you want the world to see – it's very easy to share videos on it, it has good discoverability features, and the community isn't picky. The videos that fit in with the Vimeo community best tend to be those that are arty or more narrative – if you've been making a short film, it could be ideal. There's plenty of options online so check out material on there first before uploading.

# Make a trailer in iMovie

Add the finishing touch to your film with your own teaser campaign...

## SKILL LEVEL

Anyone can do it

## IT WILL TAKE

25 minutes

## YOU'LL NEED

iPad, iMovie



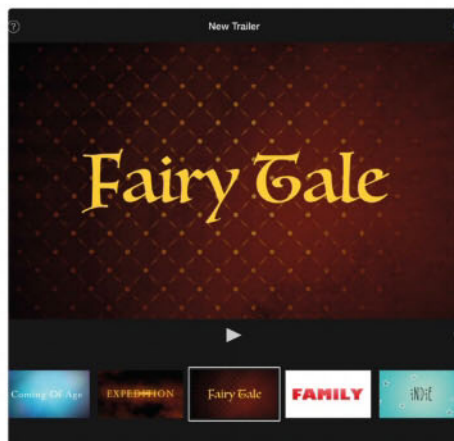
The idea of iMovie's dedicated Trailers feature is that it presents you with a carefully structured template, and you just drop in the right kind of video, based on what it asks for. As long as you've got a good range of footage to choose from, you can create really smooth and exciting trailers in just a matter of minutes. Sadly, you can't get the booming tones of the typical Hollywood voiceover man, but maybe this that's not such a bad thing.

Trailers don't have to just be sneak peeks at larger films, either – in the case of a holiday video or school sports day, it can often be wittier and more succinct to make only the trailer, especially if you mimic the style of a typical blockbuster teaser. In fact, being forced to keep to a low time limit and to use certain shot types means that even novice filmmakers will get the basics right quickly.



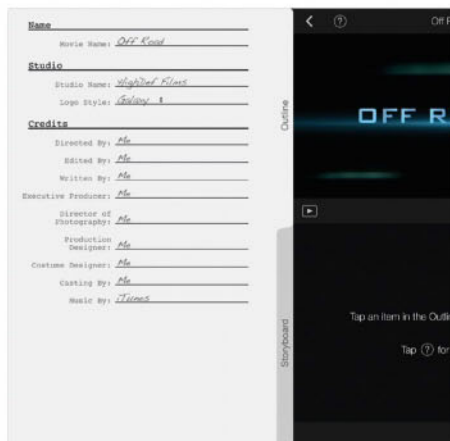
The shot guide helps build up a rhythm to your movie.

## HOW TO | MAKE A MOVIE TRAILER



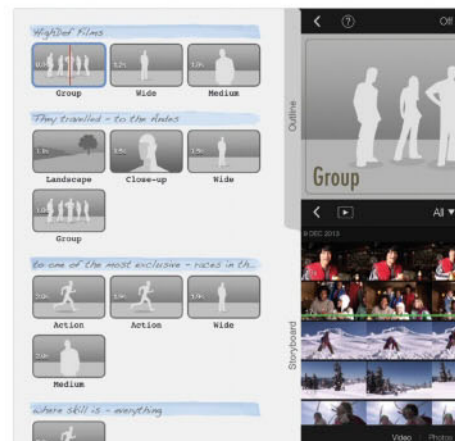
### 1 Choose your Theme

Themes are even more prominent when creating trailers than when working in regular iMovie projects. Go to iMovie's main menu, tap the + at the bottom, then tap to create a trailer. You'll see the complete range of trailer styles at the bottom (these are different to the regular themes), which you can preview at the top by pressing the play button. Try a few out to see which is the best fit for the style or trailer you want to make.



### 2 Fill in the Outline

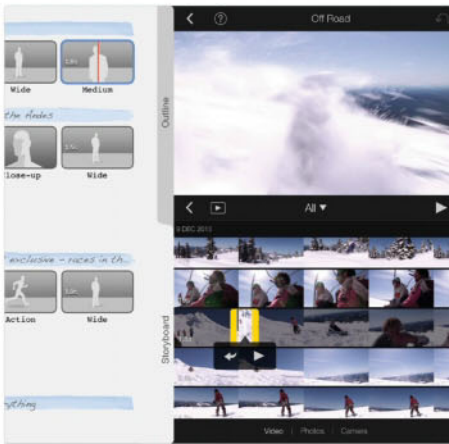
Once you've chosen a style, tap Create Trailer in the top right corner. Your new trailer project will open, with two tabs in the middle: Outline and Storyboard. The Outline tab will be open by default; this is where you can change the info about your film, such as its name, the cast and crew, and the fake 'studio' name that appears at the start. This studio logo actually isn't tied to your theme – you can tap the Logo Style listing to choose a new one.



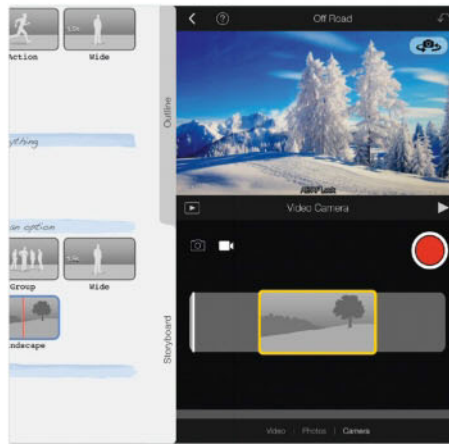
### 3 Using the Storyboard

Once you've filled in the all the names and so on for the Outline, switch to the Storyboard tab. On the left are various types of clips, in a particular order, separated by sections of text. On the right is a preview window for the project, with a video browser underneath it. The clip types on the left tell you what kind of video would ideally look good in each part of the trailer, building up a good rhythm, though you can deviate if you like.

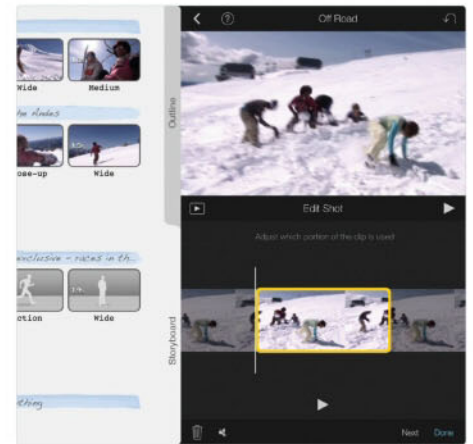


**HOW TO** | MAKE A MOVIE TRAILER (CONTINUED)**4** Select your clips

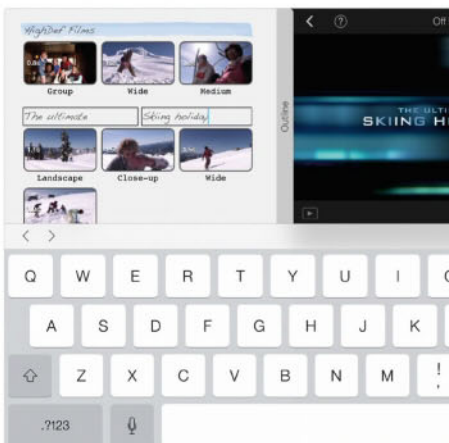
When making trailers, you don't have control over how long each shot is – you can see that information on the left. Tap on the shot you want to fill in the Storyboard, and then tap on the clip you want to fill it with in the video browser. A box that's the length of the Storyboard shot appears. Move this around in your video clip to select the portion you want to use. On the pop-up that appears, tap the play button to preview, or the arrow to use the clip.

**5** Use a photo

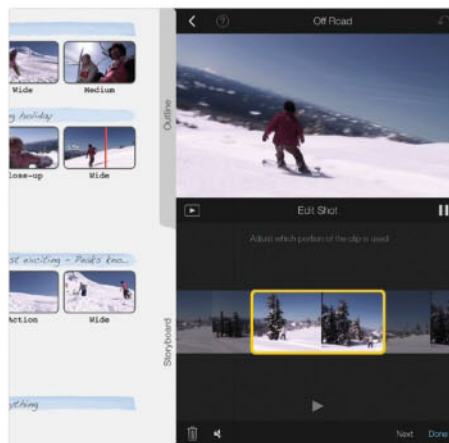
As with regular projects in iMovie for iOS, you're able to use still images instead of video clips, or record new video footage. At the bottom of the video browser on the right, there are buttons to browse the photos on your device instead of videos, or to bring up a special camera overlay. The camera view appears at the top of the screen, and a little timeline at the bottom shows what will go into your selected Storyboard shot.

**6** Tweaking a clip

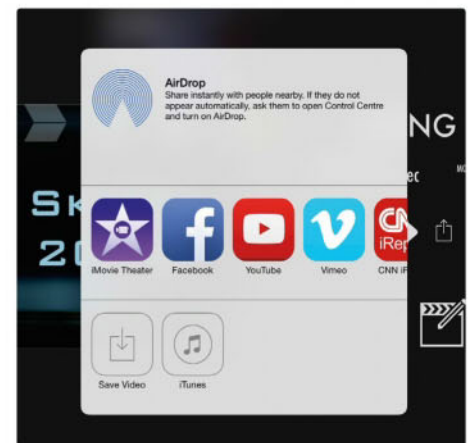
If you add a clip to the Storyboard, but it's not perfect, it can be easily tweaked. Tap on the shot in the Storyboard to bring up an editing pane, letting you move through the full clip that your shot is taken from. The yellow box represents the length of the shot, so simply scroll the clip through it, and the highlighted part is included. To preview what will go in, tap the Play button underneath. To delete the clip and choose a new one, tap the trash icon.

**7** Change the captions

To edit the text captions that appear throughout your trailer, tap on any of them in the Storyboard. In some cases, the lines are split into two boxes next to each other – this lets you know which text will be on which line, and the order in which it will appear. You can delete everything out of these boxes, but this will just leave you with a blank screen – you can't delete the captions entirely, so you may as well come up with something great to fill them!

**8** Preview your trailer

You can immediately preview your trailer at any time, to see how it hangs together. Tap the Play button below and to the right of the preview window to play from the Storyboard shot that's currently selected for a quick check – this will play back in the preview window. To see things in full, tap the play button in a rectangle below and to the left of the preview window – this will start your trailer from the beginning, and will play in fullscreen.

**9** Export the result

As with any other iMovie video, you can save your finished trailer to your device's Camera Roll at various file sizes, including 720p and 1080p HD, or share it directly to several online video sites, including YouTube and Facebook. You can also export to iMovie Theater, so the movie is easy to watch on other devices like the Apple TV; or export the project to iTunes, giving you the possibility to edit it in iMovie for the Mac.

# Stream media with oPlayer

Stream video files not supported by Apple from your iPad to Apple TV

## SKILL LEVEL

Anyone can do it

## IT WILL TAKE

10 minutes

## YOU'LL NEED

iPad, iOS 5 or later, oPlayer/oPlayer Lite, Apple TV, a video file



Apple's Videos app is pretty basic (though you can be sure that's intentional) and many want more flexibility when it comes to playing films or other videos from an iOS device over AirPlay to an Apple TV. oPlayer is an app that lets you do far more than Apple allows, and there's even a free version, alongside the ad-free, paid option.

The first big difference is that oPlayer lets you load many different types of video file, not just those approved by Apple. So AVIs, MKVs and all kinds of other obscure audio and video formats can be played without the need for any conversion.

Just as importantly, it also lets you create an instant wireless connection between your Mac and your iPad and

transfer films manually, which means none of that tedious syncing.

It can see your iPad's photos, has a built-in web browser and has access to the iTunes Store. When you watch a video you can access more controls, such as playback speed, aspect ratio and subtitling where available, as well as beaming the signal to your Apple TV using AirPlay. **Hollin Jones**

## VISUAL GUIDE | EXPLORE OPLAYER'S MAIN INTERFACE

Manage all your films and control uploads and downloads from here

### Your local files

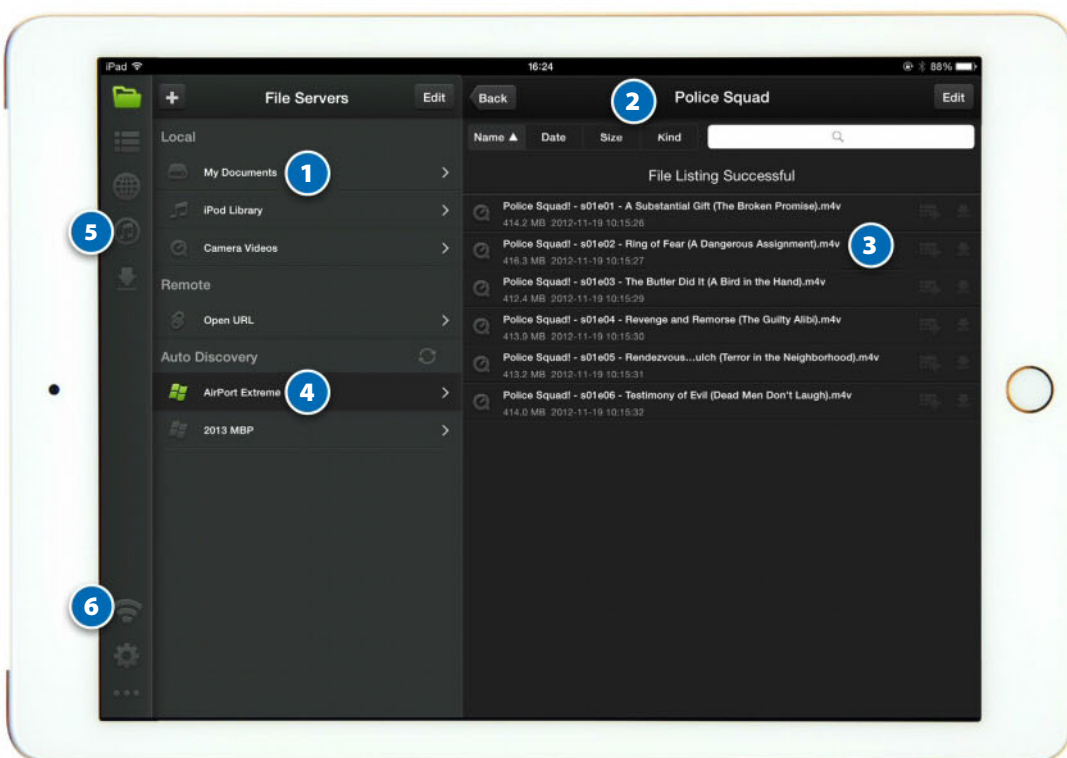
**1** All the videos stored on your device are shown here in three sections. My Documents is the stuff you have transferred in from another device, the iPod Library includes any downloaded or purchased videos and the Camera Videos area will show you anything recorded with your onboard camera.

### The file list

**2** Any collection of video or music files is shown here and a list can be sorted by name, date, size or kind. There's even a text search field in case you want to go straight to a specific file. You can play any file by tapping on its name.

### Create playlists

**3** You will probably want to create some playlists if you have more than a few files on your device and you can do this by tapping the Add To Playlist button next to the name of any video or audio file. If a file lives on another device such as a wireless hard drive, the download button here lets you quickly copy it over.



### Remote devices

**4** oPlayer automatically sees wireless devices broadcasting on your local network that have file sharing enabled. This might typically mean your computer but it can also be any kind of wireless hard drive. Tap on a device and enter login details and you can access its contents.

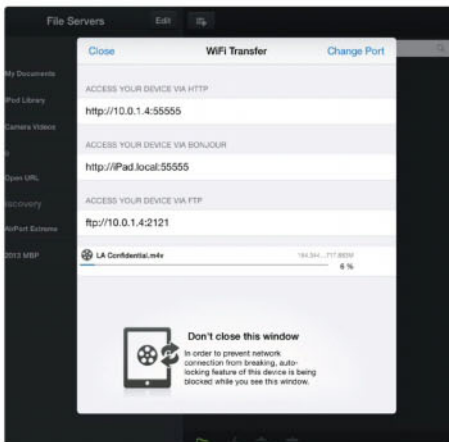
### iTunes integration

**5** oPlayer can let you search the iTunes Store for videos and music, and will transfer them to you if you wish to buy anything. Any content downloaded or rented from the store can be viewed in a special playlist inside the app. This section also contains a download manager.

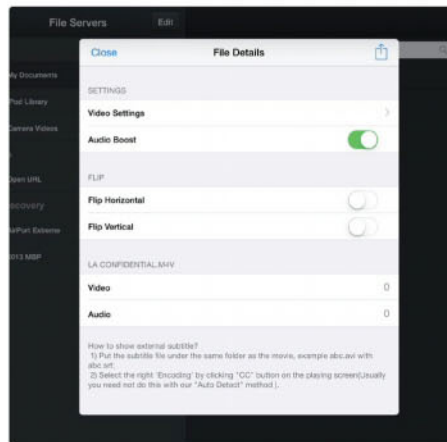
### Wireless transfer

**6** Tap the Wi-Fi button to generate addresses that you can enter into your computer's browser to transfer video files manually between devices. It's possible to transfer them back from your iPad or iPhone to the computer, using the web interface. It's quicker and easier than syncing iTunes.

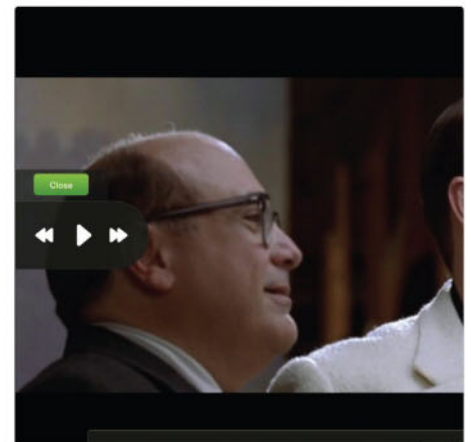


**HOW TO** | UPLOAD AND STREAM VIDEO TO APPLE TV**1 Enable wireless transfer**

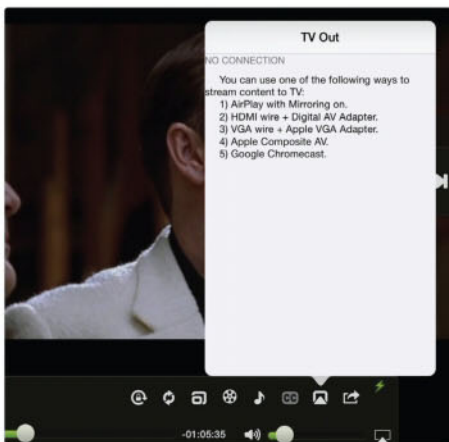
Open the app and tap the Wi-Fi icon in the window's bottom left. This shows you different ways to open a connection between Mac and app. The simplest one is usually to use an HTTP connection by entering the uppermost address into your browser on your Mac. Then simply drop any video files into the relevant area in your Mac browser and they'll upload to the iPad. Don't close the iPad transfer screen until the upload has completed or it will cancel. Large videos might take a few minutes.

**2 Manage your videos**

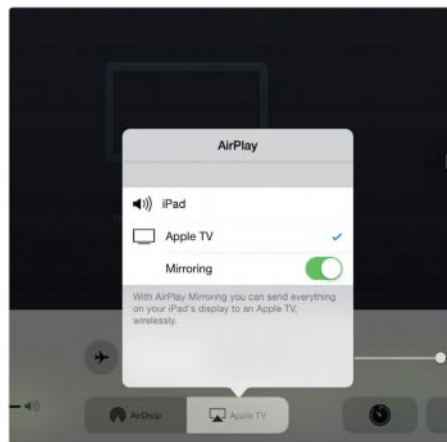
Tap on the My Documents section in the centre of the app's window to see a list of the files on your iPad, including many different kinds of video and audio files. This list can be searched and ordered by size, name, date and more. If you tap the info button next to a video you can make settings for an individual file, such as applying Audio Boost to help with quiet sound, or flipping the video image horizontally or vertically regardless of the orientation of your device. Close this window to play your file...

**3 Play the video**

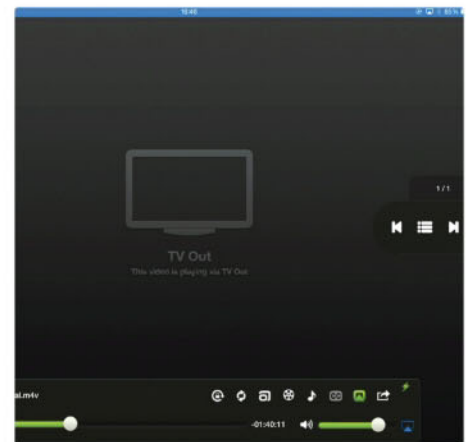
Tap on a video file's name to play it. There's a progress slider and volume control at the bottom, and shortcuts for controlling the speed and aspect ratio of playback as well as activating subtitles if available. The playback controls are to the centre left of the display and you can access other films in the playlist on the right. These controls fade out after a few seconds, but you can tap anywhere on the screen to bring them back at any time. The Close button returns you to the main screen.

**4 Pick a TV-out method**

The button in the control bar that looks like AirPlay is actually a TV-out control. Tap on this to see a number of methods for getting signal out. As well as AirPlay mirroring there are four wired options involving Apple adapters and cables, and even the option to beam to Google Chromecast. The exact combination of wires and connections will depend on whether you have a 30-pin or Lightning-connected iOS device and what kind of TV you've got. Wireless frees you from leaving the device near the TV.

**5 Enable AirPlay**

The app requires AirPlay to be activated on your iPhone or iPad, but it also requires mirroring to be switched on. This means the entire output of the device is sent to your Apple TV rather than just the video stream. Swipe up to call up Control Centre and in the Airport menu tap to activate AirPlay and switch the Mirroring button on as well. The app will adapt its display to send the signal to the Apple TV. You won't be able to use your iPad for other things while mirroring.

**6 Mirror to Apple TV**

A blue line across the top of your iPad's screen shows the signal is being mirrored to the Apple TV. You'll no longer see a picture on the iPad, but you will see a display that tells you what's playing, plus the controls. On your TV you should now see the film playing back just as if it was playing from a DVD or streaming over the web. AirPlay mirroring can use a little more power than regular streaming, so it's worth plugging your device into the mains to make sure it doesn't die halfway through the film.

# GEAR

Our round-up of the hottest products out now for your iPad

## Bebop Drone with Skycontroller

★★★★★

£780 Parrot, parrot.com

This flying drone boasts an HD (1080p) video camera that shoots 14 megapixel stills. It can be bought just as a drone (£430), but the Skycontroller bundle gives you a twin-stick remote control unit capable of generating its own Wi-Fi hotspot, enabling you to fly up to a claimed 2km. The Skycontroller is a big unit and you'll need the shoulder strap, as it's heavy too. You can secure an iPad to the middle, giving you a live view from the Bebop's camera. It's quite a thrill when you get the drone out of sight and you're flying like a real drone pilot, by just looking at a screen. Thankfully, there's a button on the Skycontroller that returns the Bebop. If you can afford this, you're in for some brilliant aerial antics. **Christian Hall**



## Canon Maxify iB4050

★★★★★

£100 Canon, canon.co.uk

It's much to look at, but this affordable inkjet printer is a good performer, with AirPrint support for iPad. The monolithic slab weighs in at about 10kg and measures a bulky 46.3x29x45.9cm. Some of that bulk is because it includes two large paper trays, each with a capacity of 250 sheets. There is no scanner, copier or fax but the printer works well. Canon quotes speeds of 23 pages per minute for mono and 15 for colour, although our tests came closer to 19 for mono and 9 for colour. That's not bad for the price range, and the smooth text and colourful photo output means it can handle a wide range of tasks. Running costs are good. A multipack containing all four XL-size cartridges only costs about £70 (about 1p per page for mono and 3.5p per page for colour). If you need a fast, affordable colour printer, then this is excellent value. **Cliff Joseph**

## Fitbit Aria Wi-Fi Smart Scale

★★★★★

£99 Fitbit, fitbit.com

Powered by four AA batteries and sporting an LED screen and sleek glass top, the Fitbit Aria looks much like a traditional bathroom scale. But turn it on and the first thing it does is connect to your wireless network. You then create a profile, linked to your Fitbit account. Stepping on the scales, it identifies you and proceeds to take your weight, body mass index (BMI) and body fat percentage – useful if you're out to build muscle rather than lose weight. If you own a Fitbit wearable, the Aria syncs weight data into the accompanying iOS app, allowing you to check progress charts on the fly. You can create up to eight profiles for different family members. Unfortunately, the Aria is inaccurate on anything other than a perfectly stable, smooth surface, so bear that in mind before you buy. **Tim Hardwick**





## Withings Activé Pop

★★★★★

£119 Withings, withings.com

The Withings Activé Pop looks like a regular watch, but behind the dial are some smarts that track activity and sleep, and communicate with your iPhone over Bluetooth 4.0, enabling you to monitor, get advice and encouragement, and compete virtually with friends. Data is sent in the background when certain conditions are met; Withings claims the Pop can run for up to eight months on a single CR2025 watch battery – quite a contrast to the Apple Watch's single-day battery life. It's fully waterproof (unlike the Watch) and can now track swimming. Activity data is shown in the Health Mate app. It's especially great if you use other Withings trackers, but it also feeds data into Apple's Health app. **Christopher Phin**



## Playbulb Color

★★★★★

£80 MIPOW, playbulb.com

MIPOW's Playbulb Color hooks up to iOS devices via Bluetooth; you then use the accompanying app to change the bulb's output to any colour you like, and you can set it to flash or fade between colours. It comes with a built-in speaker and the sound quality is surprisingly decent – although music is liable to be briefly interrupted by any notifications. Unfortunately you can't browse playlists, instead having to start at the first song before skipping tracks. A decent solution for house party aficionados, but perhaps leave the music to your computer or turntables. **Alex Blake**



## TDK Trek Flex Speaker

★★★★★

£70 TDK, tdkperformance.com

TDK's Trek Flex is a small Bluetooth speaker that promises 360 degrees of room-filling sound. It's dust-proof, shock-proof and water resistant, but not waterproof. It produces surprisingly loud, distortion-free sound and an eight-hour battery should make it a perfect party speaker, but ironically it's better suited to acoustic folk and delicate electronica than party bangers or rock anthems. The small speakers struggle to deliver decent bass, and we also found rock and dance sounded muddy even at full volume. This rugged, shockproof, water resistant Bluetooth speaker can play music loud, but it lacks low-end thump. **Gary Marshall**



## Beyerdynamic Custom One Pro Plus

★★★★★

£109 Beyerdynamic, beyerdynamic.com

This Custom One Pro Plus headphone set is fully tweakable to enable listeners to get personal with its looks and sound. You can swap the wrapping of the headband, or the outside of the ear cups, and it comes with three options for the latter. Most importantly, though, it also sounds great, with an expansive soundstage and adjustable bass levels, for those who are into a heavy sound. The audio quality and performance are enough to seal the deal for the Beyerdynamic Custom One Pro Plus, even without the extremely handy customisation options. **Cameron Faulkner**



# iPad User Magazine

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